



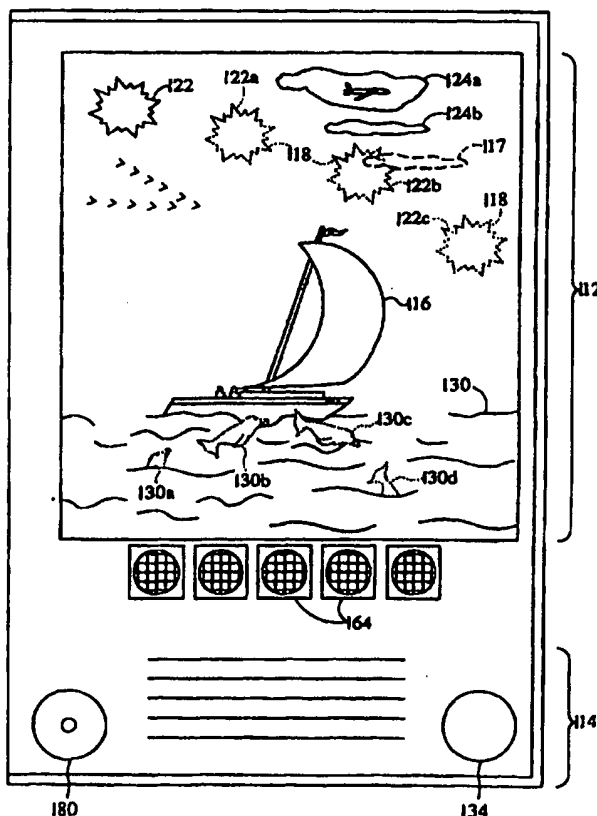
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(54) Title: ELECTROLUMINESCENT DISPLAY APPARATUS

(57) Abstract





A panel, page or substrate (112) is provided having a tier of electroluminescent (EL) material which forms a pattern corresponding to a series of images (130a-d). When illuminated in accord with a predetermined sequence, the series of images provide an illusion of movement. A sound generator (134) is provided to produce a predetermined audible response associated with the predetermined sequence. One or more flexible membrane switches (164) are coupled to simultaneously activate both the EL material and the sound generator when depressed. The panel may be embodied as a flexible web that is adapted to roll up over a spring loaded shaft.








**ELECTROLUMINESCENT DISPLAY APPARATUS**

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**Inventor:** JOHNSON WILLIAM ROBIN; HEROPOULOS GEORGE W; TORMA TAMAS L  
**Applicant:** JUNKYARD DOGS LTD (US)  
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- european: **G06F1/16D; G06F3/02A; G06F3/033D2; G09B5/06C; G09F13/22; H01H13/702**  
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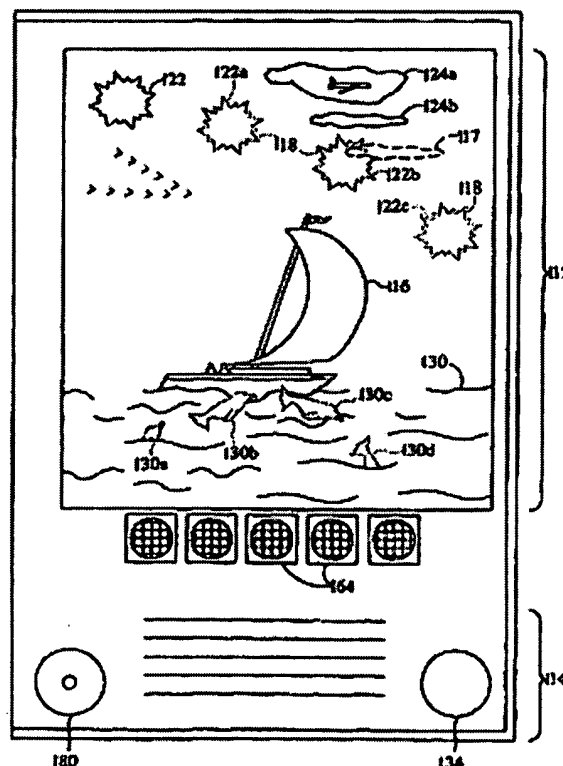
**Cited documents:**

 US5652930  
 US5597183  
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**Abstract of WO9803962**

A panel, page or substrate (112) is provided having a tier of electroluminescent (EL) material which forms a pattern corresponding to a series of images (130a-d). When illuminated in accord with a predetermined sequence, the series of images provide an illusion of movement. A sound generator (134) is provided to produce a predetermined audible response associated with the predetermined sequence. One or more flexible membrane switches (164) are coupled to simultaneously activate both the EL material and the sound generator when depressed. The panel may be embodied as a flexible web that is adapted to roll up over a spring loaded shaft.



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